

1. A method of making a blow-molded PET plastic container having an externally threaded wide-mouth finish, comprising:

mounting a preform in a mold having a surface, the preform having a body forming region, a thread forming region above the body forming region, and a dome forming region above the thread forming region;

stretching the preform against the mold surface to form an intermediate article having a dome portion connected to the threaded neck portion of the container, the wall thickness of the threaded neck portion being within the range of 0.032 - 0.038 inches; and

severing the dome portion from the threaded neck portion to produce the wide mouth container.

2. The method of claim 1, wherein the ratio of the wall thickness of the thread forming region of the preform to the wall thickness of the threaded neck portion is about 4.711.

3. The method of claim 2, wherein the ratio of the diameter of the thread forming region of the preform to the diameter of the finished threads is approximately 0.500 inches.

4. The method of claim 1, wherein the ratio of the diameter of the thread forming region of the preform to the diameter of the finished threads is approximately 0.500 inches.

5. The method of claim 1, wherein the preform is preheated.
6. The method of claim 1, wherein the temperature of the mold surface is less than 60°F.
7. The method of claim 1, wherein the crest of the thread is flattened, the upper surface of the thread extends upwardly toward the outer surface of the neck at an angle of about 150° and the lower surface of the thread extends downwardly toward the outer surface of the neck at an angle of about 100°, the depth of the thread being about 0.057 inches.
8. A blow-molded PET plastic container having an externally threaded wide-mouth neck attached to body, the wall thickness of the threaded neck being within the range of 0.032 – 0.038 inches.
9. The blow-molded PET plastic container of claim 8, wherein the crest of the thread is flattened, the upper surface of the thread extends upwardly toward the outer surface of the neck at an angle of about 150° and the lower surface of the thread extends downwardly toward the outer surface of the neck at an angle of about 100°, the depth of the thread being about 0.057 inches.